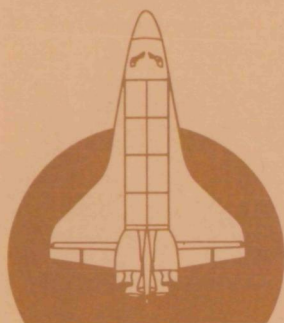


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1980 Cumulative
Index

NASA SP-7011(215)
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National Aeronautics and
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SPECIAL NOTICE

The abstract sections of the monthly supplements of *Aerospace Medicine and Biology* can be bound separately. Individual abstracts can be located readily by means of the page numbers given at each entry, e.g., p0257 N80-32061. To assist the user in binding Supplements SP-7011(203) through SP-7011(214), a title page is included in the back of this Cumulative index.

**A CUMULATIVE INDEX
TO
A CONTINUING BIBLIOGRAPHY ON

AEROSPACE MEDICINE
AND BIOLOGY**

**This Cumulative Index supersedes the indexes
contained in supplements [SP-7011 (203)
through SP-7011 (214)] published by NASA
during 1980.**



Scientific and Technical Information Branch

1981

National Aeronautics and Space Administration

Washington, DC

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INTRODUCTION

WHAT THIS CUMULATIVE INDEX IS

This publication is a cumulative index to the abstracts contained in NASA SP-7011(203) through NASA SP-7011(214) of *Aerospace Medicine and Biology: A Continuing Bibliography*, NASA SP-7011, by means of supplements, serves as a current abstracting and announcement journal for references on bioscience and biotechnology. It has been compiled through the cooperative efforts of the American Institute of Aeronautics and Astronautics (AIAA), and the National Aeronautics and Space Administration (NASA). Entries prepared by the two contributing organizations are identified as follows:

1. NASA entries by their *STAR* accession numbers (N80-10000 series)
2. AIAA entries by their *IAA* accession numbers (A80-10000 series)

HOW THIS CUMULATIVE INDEX IS ORGANIZED

This Cumulative Index includes a subject index, a personal author index, and a corporate source index.

HOW TO USE THE SUBJECT INDEX

Two types of cross-references appear in the subject index:

1. Use (U) references indicate that the subject term is not "postable," i.e., not a valid term, and that the following term or terms are used instead. For example:

DOSE

U DOSAGE

AIRLINERS

U COMMERCIAL AIRCRAFT

U PASSENGER AIRCRAFT

2. Narrower Term (NT) references refer the user to more specific headings in the same subject area, under which additional material on the subject may be found. For example:

FATIGUE (BIOLOGY)

NT AUDITORY FATIGUE

NT FLIGHT FATIGUE

NT MUSCULAR FATIGUE

In addition, a searcher may use the title or title and title extension in the index to narrow further his quest for particular items, this is because subject terms can readily include more than one class of document. For example:

BIOLOGICAL EFFECT

Vibratory force effect upon
biological systems, particularly
human organism.

Biological effect of cosmic and
solar radiations on human
body at high altitudes.

illustrates a case where two references on different topics are listed under the same subject term.

HOW TO USE THE PERSONAL AUTHOR INDEX

All personal authors used in the abstract-section citations in the individual Supplements appear in the index. Differences in translation schemes may require multiple searching of the index for variants of an author's name. For example:

EMELIANOV, M. D.

and

YEMEL'YANOV, M. D.

HOW TO USE THE CORPORATE SOURCE INDEX

The corporate source index entries are abridged versions of the corporate sources used in the abstract-section citations in the individual Supplements. The corporate source supplementary (organizational component) does not appear in the index. For example:

NEW MEXICO STATE UNIV., LAS CRUCES. DEPT. OF BIOLOGY. (Source citation entry)

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IDENTIFICATION OF DESIRED SUPPLEMENT

The abstract and descriptive cataloging for any accession number selected from the indexes may be found in the appropriate Supplement. The page-number range of each Supplement appears on the inside front cover of this index. Once the range of page numbers containing the selected accession number is located in the second column, the desired Supplement number will be found in the first column. For example:

Page 191 will be found in Supplement 211.

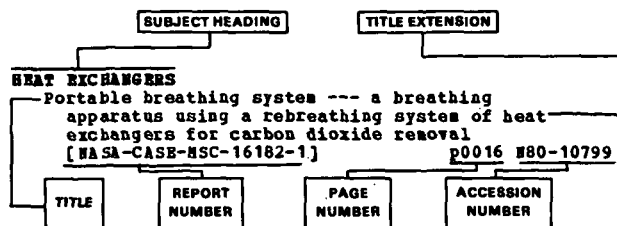
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U PHYSICAL EXERCISE

GYRATION

NT ROTATION

NT SATELLITE ROTATION

GYROPLANES

U HELICOPTERS

H

HABITABILITY

STS mission duration enhancement study: (orbiter habitability)

[NASA-CR-160535]

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Controlled ecological life support systems /CELSS/ and space habitats, anthropology, and psychology

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Design opportunities - Zero gravity versus one gravity environments

p0220 A80-46398

Primary productivity, heterotrophy, metabolic indicators of stress and interactions in algal-bacterial mat communities affected by a fluctuating thermal regime

[DP-MS-80-14]

p0203 N80-27082

HABITUATION (LEARNING)

Effect of habituation on the susceptibility of the rat to restraint ulcers

[NASA-TM-76072]

p0113 N80-19748

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Genetic effects of space hadrons on bacteriophage under Alpine conditions

p0245 A80-50068

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NT HYDROFLUORIC ACID

NT HYDROGEN CHLORIDES

NT SODIUM BROMIDES

NT SODIUM CHLORIDES

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U ELECTRIC CURRENT

HALOCARBONS

NT FLUOROCARBONS

Spectrophotometric identification of the pigment associated with light-driven primary sodium translocation in *Halobacterium halobium*

p0102 A80-26015

Formulation of a preliminary assessment of halogenated organic compounds in man and environmental media

[PB80-112170]

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HALOGEN COMPOUNDS

NT FLUOROCARBONS

NT HALOCARBONS

NT HYDROFLUORIC ACID

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NT SODIUM BROMIDES

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HALOGENATION

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HALOPHILES

Physical chemistry and evolution of salt tolerance in halobacteria

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p0194 A80-42010

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NT USER MANUALS (COMPUTER PROGRAMS)

USAF bioenvironmental noise data handbook. Volume 140: F-16 aircraft in the AF32A-25 noise suppressor, near and far-field noise

[AD-A079875]

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Methods for collecting and analyzing task analysis data

[AD-A087710]

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A contribution to the biomechanics of master-slave manipulators

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Adaptive control of technological industrial robots for welding

p0219 A80-45693

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Cardiopulmonary data acquisition system. Version 2.0, volume 1: User's guide

[NASA-CR-160608]

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[AD-A077954]

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NT FLIGHT HAZARDS

NT OPERATIONAL HAZARDS

NT RADIATION HAZARDS

NT TOXIC HAZARDS

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Heating of spherical versus realistic models of human and infrahuman heads by electromagnetic waves

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Thermal response model of a simulated cranial structure exposed to radiofrequency radiation

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Fluid-electrolyte shifts and thermoregulation - Rest and work in heat with head cooling

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Analysis and measurement of helmeted aircrewman response resulting from birdstrike

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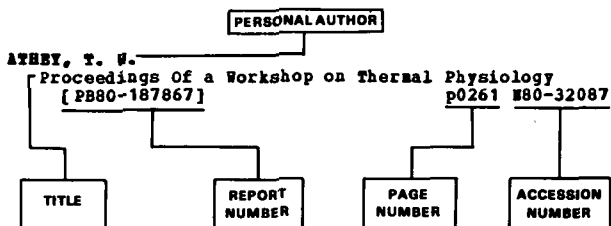
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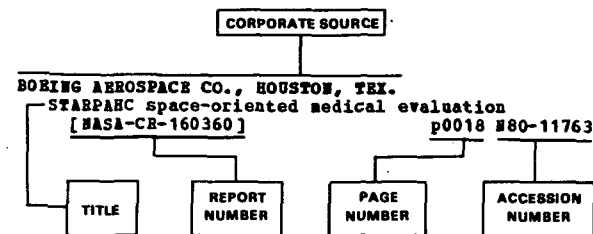
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